



Math Empowers⁴



Grade Four

Middletown Township Public Schools

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What strategies contribute to effective formative assessment?

Looking separately at the roles of the teacher, the students, and the students' peers, research suggests that effective assessment can be based on the following five "key strategies":

- ♦ Clarifying, sharing, and understanding what students are expected to know.
- ♦ Creating effective classroom discussions, questions, activities, and tasks that offer the right type of evidence of how students are progressing to the espoused learning goals.
- ♦ Providing feedback that moves learning forward.
- ♦ Encouraging students to take ownership of their own learning.
- ♦ Using students as learning resources for one another.



CHOICE BOARDS

Attached you will find choice boards for GO! Math Chapters 10-13. These are a great way to differentiate your math lessons. Students can choose to earn three-in-a-row or you can challenge students to complete the entire board. These documents are aligned to your Grab & Go! Differentiated Centers Kit.



DO YOU GIVE A KAHOOT ABOUT MATH?

Go to getkahoot.com and check out the kahoot games teachers already made! You can use them as is, or duplicate them so you can modify questions or answers to tailor to your class. Teachers LOVE the instant feedback and reports. Kids LOVE the game show style. Try creating a new KAHOOT with 2 quick questions to use for your formative assessment. Use the "report" list to form your small groups according to their responses.

If you're not quite sure if this is for you... or if you just can't wait to see more, click for a youtube video called: [Simplifying a Teacher's Life: Free Technology Tools for Assessment.](#)



MEASUREMENT AND DATA

Standard: 4.MD.A3 - Apply the area and perimeter formulas for rectangles in real world and mathematical problems.

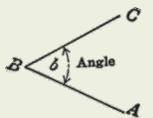
- ♦ **Shape Surveyor Geometry Game** – Collect pieces of a puzzle by calculating the correct area or perimeter.
- ♦ **Be a Party Planner** – Design a floor plan for a party using your area and perimeter skills.
- ♦ **Zoo Designer** – Use your area and perimeter skills to design enclosures for a zoo.
- ♦ **Perimeter Shape Game** – Calculate perimeter.



ANGLES AND MEASURING ANGLES

Standard: 4.MD.C - Geometric Measurement: Understand Concept of Angles and Measure Angles

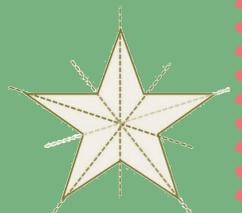
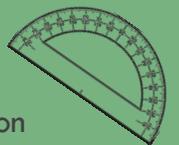
- ♦ **Angles** - Online matching game; match the explanation with the correct graphic angle.
- ♦ **Flip Card - Angle Types** – A game with angles.
- ♦ **Alien Angles** - Interactive game; set the correct angle on the rescue launcher! (make sure a protractor is near so the student can measure the angle).
- ♦ **Helicopter Shootdown** - Online game; type in the correct angle to hit the target.
- ♦ **Roboidz** - Control the Roboidz with your knowledge of angles in this exciting Mission 2110 game.
- ♦ **UFO Attack** - Online game; type in the correct angle to hit the target.



GEOMETRY

Standard: 4.G.A - Draw and identify lines and angles, and classify shapes by properties of their lines and angles.

- ♦ **Angle Game** - Shoot alien spaceship that matches the angle.
- ♦ **Angle Matching Game** - Concentration style game; match up angle with identifying name.
- ♦ **Baseball Geometry** - Play baseball while answering questions about angles; select topic to study.
- ♦ **Right, Acute, and Obtuse Angles** - Sort angles into appropriate containers.
- ♦ **Lines of Symmetry** - Is the dotted line a line of symmetry?
- ♦ **Symmetry** - Drag line of symmetry in correct position.



Hope you are having a MATH-TASTIC year!